HTS/Amptek®

DISTRIBUTED BY

SWHC SOUTHWEST HEATER & CONTROLS

# Trace Cable, Heating Jackets and Blankets

- Freeze Protection to -40ºF (-40ºC)
- Removable and Weather Resistant
- Process Maintenance, to 300ºF (150ºC)
- Self-Regulating Cable heating elements
- Voltage, 120V to 277V/1ph
- Multi Heat Zones, Sensors and Controls

*Traced Heating Jackets and Blankets are Custom Designed System Solutions. Contact SWHC and receive professional assistance for your application Call 214.340.7500 USA Central Time. Email sales@swhc.com*

HTS/Amptek® Traced Heating Blankets and Jackets are a great solution where instruments or other components need to be serviced. Traced Jackets may quickly be removed and replaced for temporary access. Large areas may be engineered using a modular approach having multiple heaters. Contact HTS/Amptek® for fast, professional design assistance.

*POWER LEADS AND SENSORS ARE PREWIRED.*

*SELF REGULATING CABLES ARE PRODUCED BY TOP (USA) MANUFACTURERS.*

*HEAT TRACING A PUMP INCLUDING THE INLET AND OUTLET FLOW TUBING.*

*THIS REMOVABLE JACKET SOLVES THE HEATING REQUIREMENT BY ENCAPSULATING THE ENTIRE AREA WITH AN ENVELOPE OF HEAT. THE SECOND JACKET ON THE TOP CONNECTS TO THE BOTTOM LARGE JACKET VIA POWER JUMPER.*

All Blanket Heating Systems are custom designed. Heaters, Insulation, Controls, Sensors and Power Distribution are components of a complete system. HTS/Amptek® can coordinate your System Design, then produce drawings for approval before the fabrication may start.

**Removable Trace Jackets for Pipes, Valves, Tanks, Bottles and more.**

Whether for freeze protection or process temperature maintenance, removable Trace Jackets offer operational flexibility. Often the Trace Cable installed permanently has to be cut away after insulation is removed. Trace Jackets eliminate that loss of time and material by permitting the temporary removal and replacement with little required training.

Complex structures may be heated indirectly by simply enclosing them. Since these heaters are mainatain only, direct heat conduction is not required.

**Fabrication, Thermal Design, Temperature Control and Distribution.**

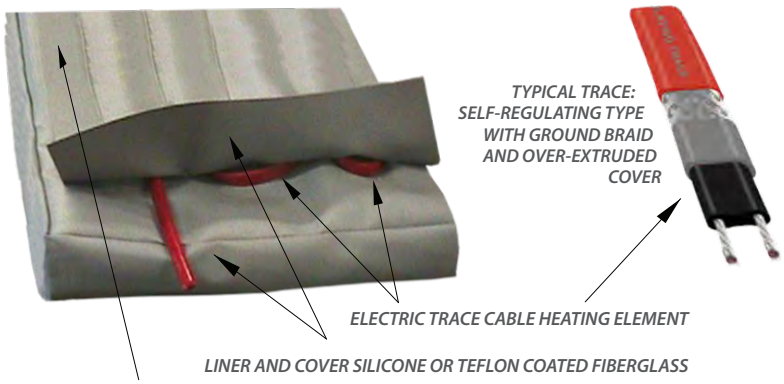
Heat Loss, wet or dry conditions, freeze protection or process heat, area classification and temperature control are all considerations for Jacket design. For "Hazardous Area" applications, contact the HTS/Amptek® experienced design engineers for system design recommendations.

*HAZARDOUS AREA DESIGNED HEATING BLANKET*

SWHC SOUTHWEST HEATER & CONTROLS | 10610 CONTROL PLACE DALLAS, TEXAS 75238 | **MAIN:** 214-340-7500 **TOLL FREE:** 800-687-2220 | SALES@SWHC.COM SWHC.COM

# Trace Cable Heating Blankets and Jackets

## Cable and Jacket Assembly Features



*TYPICAL TRACE: SELF-REGULATING TYPE WITH GROUND BRAID AND OVER-EXTRUDED COVER*

*ELECTRIC TRACE CABLE HEATING ELEMENT*

*LINER AND COVER SILICONE OR TEFLON COATED FIBERGLASS*

*FABRIC POCKETS OR LOOPS, PRESTITCHED TO SECURE HEATING CABLES*

*JUMPER & PLUGS*

*POWER LEAD, CGB CORD GRIP, PIN AND SLEEVE PLUG.*

*RTD SENSOR, CGB CORD GRIP, ARMOR MULTI-PIN PLUG.*

**Trace Cable, Self Regulating Heating Element:**
The Cable changes it's output. It is maximum when cold and reduces as the heat builds. The two conductors within are over extruded then metal braided and overextruded again for dielectric and mechanical strength.

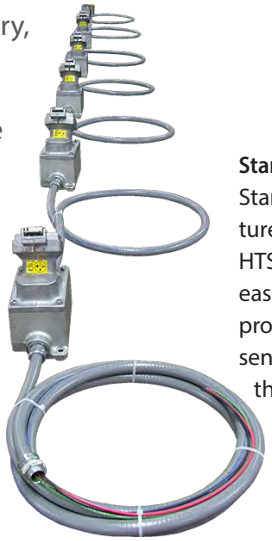
**Element, Sensors and Power Leads Attached to the Liner:**
Traced Blankets use "pocket" or "loop" stitched features to locate the Trace Cable elements in an even matrix for optimum heat transfer. Lead Wires, Jumpers and Sensors are stitched/bonded in place with adequate strain relief and sleeving reinforcement where necessary.

**Outer Fabrics and Closures:**
The outer Fabric, typically Silicone or Teflon® impregnated Fiberglass, provides flexiblity, durability and moisture resistance. Velcro® flaps and D-Ring or Delrin Clip straps provide a final securing method.

**Power Leads, Sensors and Plugs:**
Lead Wires and Jumpers (and Sensors if required) exit Jackets via Cordgrip CGB type fittings and then Flex Conduit or cordset. They are designed for the required custom length and may include seal fittings or plugs depending on the service location and area classification.

## Heating Blanket Control and Distribution Systems available from HTS/Amptek®

"Traced Heating Jackets use many ordinary, NEMA 4 and NEMA 7 wiring distribution arrangements to simplify removable installations. Multiple Jacket Systems can be enhanced using built in Jumpers"



**Standard Controllers:**
Standard, single zone, Temperature Controllers available from HTS/Amptek® are accurate and easy to use. Ideal for freeze protection, ambient and remote sensing switches energize when the temperature drops below the preset value.

**Custom Control Panels:**
Control Systems may be Wall, Floor, Rack or Portable Cart mount type. Contact support at HTS/Amptek® for expert design consultation.

Contact your SWHC representative, for a custom Duo-Tape® or Controller...

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